Report 16: Basic Stand Characteristics

Does not include stumps (Tree status = 'S')

Project Name: FY13EXAMS   Setting ID: 01050112050043   Proc Region: 01   Proc Forest: 05   District: 01   Location: 1205   Stand: 0043

Acres: 22   EV: PV: 545 110   Slope: 15   Aspect: 148   Elev: 3700   Meas No: 1   Meas Date: 2013-10-31

All Species

Diameter class	LIVE									RECENT MORTALITY				OLDER DEAD				ALL			
	TPA	BA/A	SDI	QMD	AVG HT	AVG CR	AVG AGE	AVG DGR	AVG HGR	TPA	BA/A	QMD	AVG HT	TPA	BA/A	QMD	AVG HT	TPA	BA/A	QMD	AVG HT
NULL Diameter	647				1	82												647			1
0 - 0.9 in.																					
1 - 1.9 in.																					
2 - in.																					

	LIVE		RECENT MORTALITY	OLDER DEAD	ALL
Number of tree records having HT, CR, Age, DGR & HGR measurements:	53	53	0	0	53
Total number of tree records by live/dead class:	53		0	0	53

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Does not include stumps (Tree status = 'S')

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TPA and BA/A: Standard Deviation and Coefficient of Variation

Diameter class	LIVE							
	TPA	SD TPA	SE TPA	CV TPA	BA/A	SD BA/A	SE BA/A	CV BA/A

Sample Size: The estimated number of plots required to attain a desired % sampling error in either TPA or BA/A

Confidence Interval	Desired % Sampling Error									
	5	10	15	20	25	30	35	40	45	50

WARNING: SD, SE and CV estimates are based on a subset of tree data and are not considered rigorously defensible. Only plots on which all subpopulations were sampled are used in the variability estimates.

Plots Installed by Sample Design / Selection Criteria

Selection Method	Expansion Factor	Azim	Subpop Filter	Selection Criteria No.	Subpop	Subpop Min	Subpop Max	Number of Plots
FRQ	100		ALL	1	DBH	0.01	4.99	17
FRQ	100		ALL	2	HGT	0.5	4.49	17

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Acres: 22   EV: PV: 545   110   Slope: 15   Aspect: 148   Elev: 3700   Meas No: 1   Meas Date: 2013-10-31

Species Summary: Contains all diameters, including 0 and NULL.

Species	LIVE									RECENT MORTALITY				OLDER DEAD				ALL			
	TPA	BA/A	SDI	QMD	AVG HT	AVG CR	AVG AGE	AVG DGR	AVG HGR	TPA	BA/A	QMD	AVG HT	TPA	BA/A	QMD	AVG HT	TPA	BA/A	QMD	AVG HT
ABGR	347																	347			
LAOC	112																	112			
PIMO3	176																	176			
THPL	12																	12			
Total	647				0.00													647			

TPA and BA by species and tree class

Tree Class	Species	TPA	BA/A
	ABGR	347	
	LAOC	112	
	PIMO3	176	
	THPL	12	
	Total	647	

Total Cut (Treatment Option   ) and Total leave: TPA and BA/ac

Species	First Treatment Option			
	Total Cut		Total Leave	
	TPA	BA/A	TPA	BA/A
ABGR			347	
LAOC			112	
PIMO3			176	
THPL			12	
Total			647	

NOTE:

1. Only trees with diameters greater than 0 are used in computing QMD and SDI for the above tables.
2. SDI is computed using stage's tree-by-tree version of Reineke's stand density equation (Stage, A.L., 1968. A tree-by-tree measure of site utilization for grand fir related to   stand density index. U.S. Forest Service Research Note INT-77).
3. AVG HT, AVG CR, AVG AGE, AVG DGR, and AVG HGR are computed as simple averages of all non-null and nonzero per acre values within the size class. They are neither weighted by basal area nor otherwise "distributed" among nonmeasured stems.
4. The Sample Size is based on the single group class statistics, and is obtained using:

$$n = \frac{t^2 CV^2}{E^2}$$

Where n is the estimated number of plots required to achieve a percent sampling error E for a population with a coefficient of variation CV. For the purpose of this report, estimates are computed for 3 different confidence intervals: 68.3% (t = 1), 90% (t ~ 1.645), and 95% (t ~ 1.960). The true value of the estimate (TPA, BA/ac) would be expected 68.3%, 90% or 95% of the time (depending on the selected confidence interval) within plus or minus the desired percent sampling error (E) for the estimated sample size.

5. Trees with null or 0 diameters are displayed only in the Species Summary table as well as in the "Null Diameter" class at the top of the main tables, above the fixed-width diameter classes.
   They are not included in either the custom diameter classes or the single class parts of these tables, even if the class minimum is listed as 0.
6. Basic stand characteristic values are "per acre" values, not "per stand" values.

7. Tree class code description:
   AC   Acceptable crop tree
   DE   Desirable crop tree
   GS   Growing stock
   RF   Rough tree
   RN   Rotten tree
   SV   Salvable tree (hard)
   UA   Unacceptable crop tree
   US   Unsalvable tree (soft)
   LG   Log
   WS Woodland species
   H   Healthy
   U   Unhealthy
   S   Sick
   D   Dead